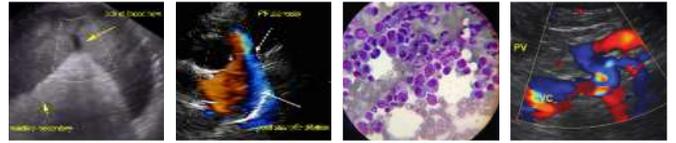


PATIENT	PRESENTING CLINICAL SIGNS
Cinnaon Girl Bussel	Hx of PLE. Now anorexia. Suspicion of mucocele on cursory IH U/S Current meds: Budesonide, clopidogrel, ursodiol, denamarin, cabaloquin, eicosacaps, RC HP Diet
SPECIES	
Canine	Abnormal PE/Chem/CBC/UA Results: SDMA >16; K+ = 3.3 UA specific gravity 1.030
BREED	ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
Toy Poodle	Urinary System
SEX	The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2.0 cm exhibited normal thickness and tone. Anechoic urine was present in the lumen with no uroliths or sediment. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes was noted.
Spayed Female	
AGE	The area of the aortic trifurcation was free of pathology.
11 years 7 months	
WEIGHT	Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio was maintained. The medulla and cortices were uniform in texture with some increased echogenicity and mild loss of corticomedullary symmetry and definition expected for the age of the patient. Minor dystrophic mineralization associated with both kidneys was noted. No evidence of pelvic dilation was present. The left kidney measured 3.4 cm in length. The right kidney measured 3.5 cm in length.
7.5 lbs.	
INTERPRETED BY	Adrenal Glands
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 1.3 cm length x 0.34 cm width at the caudal pole. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 1.0 cm length x 0.33 cm width at the caudal pole.
IMAGING PERFORMED BY	Spleen
Jessica Miller	The spleen exhibited primarily finely textured parenchyma which was hyperechoic to the liver and renal cortical parenchyma. Mild generalized parenchyma heterogeneity was present without evidence of nodular changes. The capsule was smooth and regular without apparent expansion. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. The parenchymal heterogeneity is likely consistent with benign changes such as extramedullary hematopoiesis or age-related remodeling with minor potential for inflammatory or neoplastic disease.
HOSPITAL NAME	Liver/ Gallbladder
Long Valley AH	The liver presented enlarged in size. The parenchyma of the liver was subjectively normal in echogenicity compared to the spleen and renal cortices. The liver parenchyma was uniform with a mildly coarse echotexture. The capsule of the liver was symmetrically rounded to mildly swollen in margination. The hepatic and portal vasculature were normal in appearance without signs of congestion.
REFERRING VET	
Dr. Earl	
INVOICE	
12100	
DATE	
8/10/21	The gallbladder was non distended in size with echogenic, nonmineralized, non dependent biliary sludge. The biliary sludge was non organized with a mild, hypoechoic to anechoic, irregular to interrupted rim visible between the nondependent sludge and inner wall, suggestive of potential mucus. No signs of peripheral inflammation.



PATIENT

Cinnaon Girl Bussel

SPECIES

Canine

BREED

Toy Poodle

SEX

Spayed Female

AGE

11 years 7 months

WEIGHT

7.5 lbs.

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP
(Canine and Feline)

IMAGING PERFORMED BY

Jessica Miller

HOSPITAL NAME

Long Valley AH

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Gastrointestinal

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach was empty with no signs of ileus, obstruction, or foreign material. The gastric body wall width measured 0.28 cm.

The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. Intermittent, subtle jejunal mucosal speckling was present. The lumen of the small intestine was empty with no signs of ileus, obstruction, or foreign material. The jejunum wall width measured 0.27 cm.

Normal visible colon wall layers were present with apparent formed feces in lumen.

Pancreas

The parenchyma of the left limb, body, and right limb of the pancreas presented isoechoic to the adjacent omental fat. A normal curvilinear capsule contour of the pancreas was present. The visible pancreatic duct was normal. No signs of active inflammation or neoplastic disease were evident.

Free Abdomen

No overt lymphadenopathy or peritoneal effusion was present.

ULTRASONOGRAPHIC FINDINGS

Primary Findings

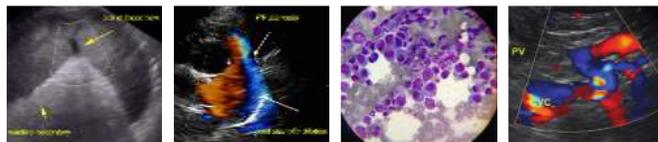
- Emerging to partial gallbladder mucocele without current associated or peripheral inflammation
- Hepatomegaly - subjectively benign
- Mild chronic renal changes with minor dystrophic medullary mineral
- Intact gastrointestinal wall layering with intermittent jejunal mucosal speckling

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The overall appearance of the gallbladder was consistent with partial to emerging gallbladder mucocele. However, no indication for immediate surgical intervention, as the gallbladder exhibited no evidence of current associated or peripheral inflammation.

Some or all of the following protocol in addition to current hepatosupportive medications with as-needed gastrointestinal support may be considered empirically.

Enrofloxacin 5 mg/kg SID PO & **Metronidazole** (10-20 mg/kg po bid) over 3 weeks, **Ursodiol** (10-15 mg/kg p.o. q24h) over 8 weeks and recheck sonogram. Monitor rapid rise in ALT, SAP, Bilirubin, bilirubinuria, leukocytosis, focal cranial abdominal subxyphoid discomfort or progressive anorexia. More information regarding clinical emerging mucocele issues may be found with our article and research at <http://sonopath.com/resources/articles>, **Defining a GB Mucocele** and **Clinical Parameters in Dogs with Sonographically Diagnosed Surgical Biliary Disease** from ECVIM 2009.



PATIENT

Cinnaon Girl Bussel

SPECIES

Canine

BREED

Toy Poodle

SEX

Spayed Female

AGE

11 years 7 months

WEIGHT

7.5 lbs.

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R. McKenzie Daniel,
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(Canine and Feline)

IMAGING PERFORMED BY

Jessica Miller

HOSPITAL NAME

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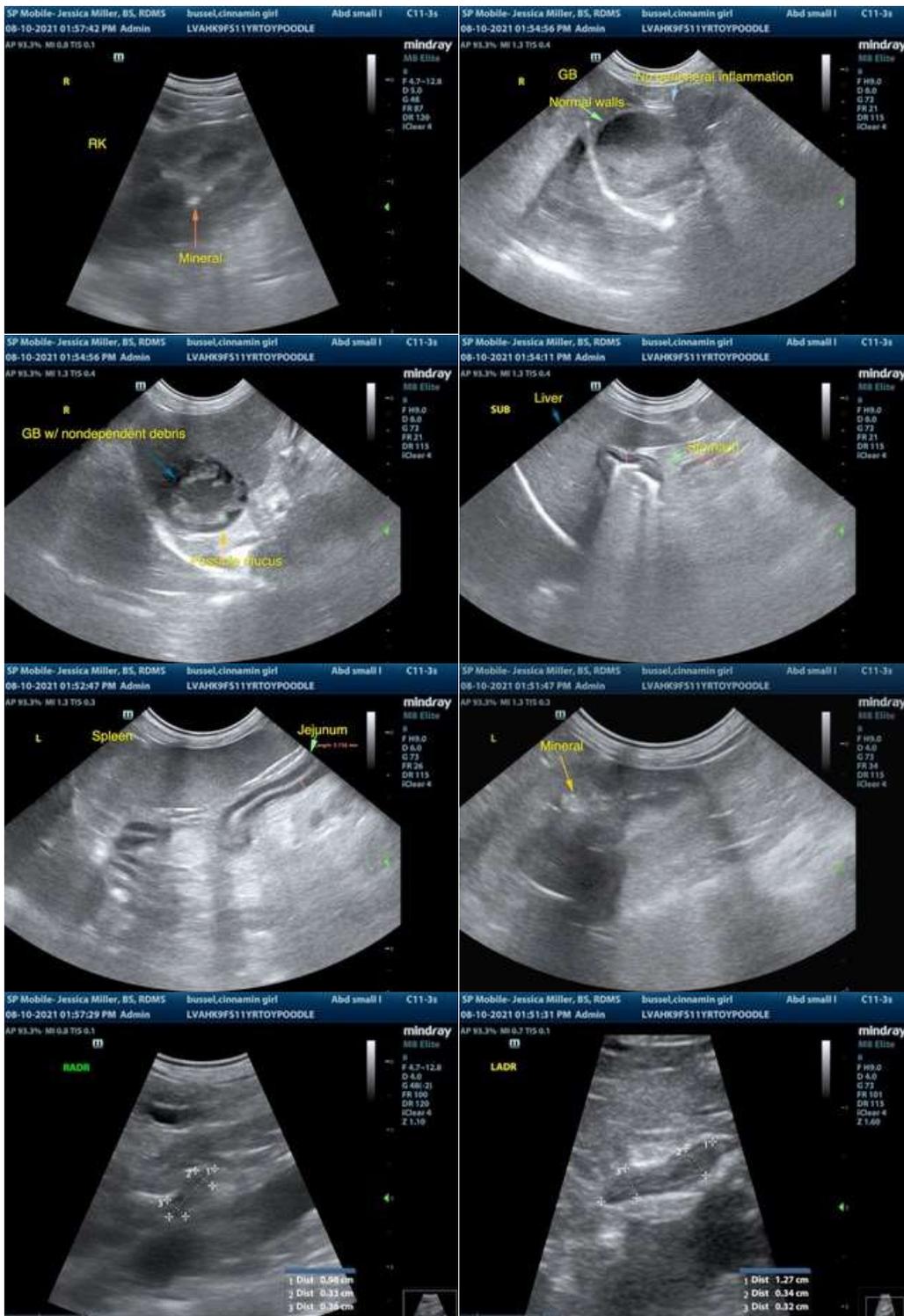
Dr. Earl

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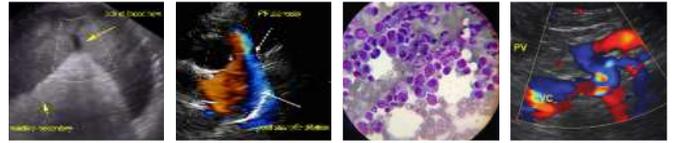
12100

DATE

8/10/21



The information and recommendations provided are based on the images presented by the



PATIENT

Cinnaon Girl Bussel

SPECIES

Canine

BREED

Toy Poodle

SEX

Spayed Female

AGE

11 years 7 months

WEIGHT

7.5 lbs.

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**IMAGING
PERFORMED BY**

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12100

DATE

8/10/21

referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if I can be of any further assistance please contact me.

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)
info@SonoPath.com